

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 06868/005002	SERIAL NO. 08/984,900
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT D'Apice et al.	
				FILING DATE 12/04/97	GROUP 1643

JUN 2 3 1998

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER			ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	AH									
	AI									
	AJ									
	AK									

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
SLC	AL	WO 94/21799	29 Sep 94	PCT				
SLC	AM	WO 94/02616	3 Feb 94	PCT				
SLC	AN	WO 91/13985	19 Sep 91	PCT				
SLC	AO	WO 88/07548	6 Oct 88	PCT				
SLC	AP	WO 93/16729	2 Sep 93	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

SLC	AQ	Sandrin et al., Proc. Natl. Acad. Sci. USA, 90:11391-11395 (1993)			RECEIVED JUN 30 1998 GROUP 1800					
SLC	AR	Liu et al., Int. J. Dev. Biol., 39:639-644 (1995)								
SLC	AS	Matsui et al., Cell, 70:841-847 (1992)			3-22-19					

EXAMINER	Shin-Lin Chen	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

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	BA							
	BB							
	BC							
	BD							
	BE							
	BF							
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	BJ							
	BK							

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
SLC	BL	WO 92/07581	14 May 92	PCT				
SLC	BM	WO 90/08188	26 Jul 90	PCT				
SLC	BN	WO 90/03432	5 Apr 90	PCT				
SLC	BO	EP 235805	9 Sep 87	Europe				
SLC	BP	PL 7854	11 Oct 94	Australia				

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

SLC	BQ	Sandrin et al., <u>Immunological Reviews</u> , 141:169-190 (1994)-						
SLC	BR	Gustafsson et al., <u>Immunological Reviews</u> , 141:59-70 (1994)						
SLC	BS	Galili, <u>Immunology Today</u> , 14:480-482 (1993)						

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	CB									
	CC									
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	CF									
	CG									
	CH									
	CI									
	CJ									
	CK									

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
SL	CL	WO 91/19796	26/12/91	PCT				
SL	CP	2011784	03/08/90	Canada				
	CN							
	CO							
	CP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

SL	CQ		Larsen et al., <u>Proc. Natl. Acad. Sci. USA</u> , 86:8227-8231 (1989)	RECEIVED JUN 30 1998 GROUP 100
SL	CR		Fletcher et al., <u>J. of Exp. Medicine</u> , 174:837-845 (1991)	
SL	CS		Samal et al., <u>Biochimica et Biophysica Acta</u> , 1260:27-34 (1995)	

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	DB						
	DC						
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							YES	NO
	DL							
	DM							
	DN							
	DO							
	DP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

SL	DQ	Willson et al., <u>European J. of Biochem.</u> , 204:21-30 (1992)	RECEIVED JUN 30 1998 GROUP 1800
SL	DR	Gough et al. <u>Proc. Natl. Acad. Sci.</u> , 85:2623-2627 (1988)	
SL	DS	Gearing et al., <u>Nucleic Acids Res.</u> , 16:9857 (1988)	

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							YES	NO
	EG							
	EM							
	EN							
	EO							
	EP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

SLC	EQ	Moreau et al., <u>Nature</u> , 336:690-692 (1988)	RECEIVED
SLC	ER	Gearing et al., <u>Bio/Technology</u> , 7:1157-1161 (1989)	JUN 30 1998
SLC	ES	Yamamori et al., <u>Science</u> , 246:1412-1416 (1989)	GROUP 1643
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	FL							
	FM							
	FN							
	FO							
	FP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

612	FQ	Lowe et al., <u>DNA</u> , 8:351-359 (1989)					
512	FR	Stahl et al., <u>J. Biol. Chem.</u> , 265:8833-8841 (1990)			RECEIVED		
512	FS	Vaughan et al., <u>Transplantation</u> , 58:879-882 (1994)			JUN 30 1996		

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						YES	NO
	GL						
	GM						
	GN						
	GO						
	GP						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

SLC	GQ	Latinne et al., <u>Immunological Reviews</u> , 141:95-125 (1994)	
SLC	GR	Soares et al., <u>Transplantation</u> , 57:1003-1009 (1994)	RECEIVED
SLC	GS	Soares et al., <u>Transplantation</u> , 56:1427-1433 (1993)	JUN 30 1998
			GROUP 1800
EXAMINER <u>Shin-Lin Chen</u>			DATE CONSIDERED <u>3-22-99</u>

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	HL							
	HM							
	HN							
	HO							
	HP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

610	HQ	Gambiez et al., <u>Transplantation</u> , 54:577-583 (1992)				
611	HR	Oriol et al., <u>Transplant International</u> , 7:405-413 (1994)				
612	HS	Hale et al., <u>Blood</u> , 62:873-882 (1983)				

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U.S. PATENT DOCUMENTS

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	IK							

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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							YES NO
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	IM						
	IN						
	IO						
	IP						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

LLC	IQ		Dabkowski et al., <u>Transplant. Proc.</u> , 25:2921 (1993)	
LLC	IR		Paulson et al., <u>J. Biol. Chem.</u> , 264:17615-17618 (1989)	RECEIVED
LLC	IS		Joziasse et al., <u>J. Biol. Chem.</u> , 267:5534-5541 (1992)	JUN 30 1998 GROUP 18UL

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	JI						
	JJ						
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		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
							YES NO
	JL						
	JM						
	JN						
	JO						
	JP						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

4,1C	JQ	Thomas et al., <u>Cell</u> , 51:503-512 (1987)	
4,1C	JR	Capecci, <u>Trends in Genetics</u> , 5:70-76 (1989)	RECEIVED
4,1C	JS	Jung et al., <u>Science</u> , 259:984-987 (1993)	JUN 30 1998
EXAMINER <u>Shiu-Lin Chen</u>			DATE CONSIDERED <u>3-22-99</u>
GROUP 1800			

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	KL							
	KM							
	KN							
	KO							
	KP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

SLC	KQ	Joziasse et al., <u>J. Biol. Chem.</u> , 264:14290-14297 (1989)					
SLC	KR	Brinster et al., <u>Proc. Nat. Acad. Sci. USA</u> , 86:7087-7091 (1989)					
SLC	KS	Rathjen et al., <u>Cell</u> , 62:1105-1114 (1990)					

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
LL								
LM								
LN								
LO								
LP								

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

562	LQ		Galili, <u>The Lancet</u> , pp. 358-60, August 12, 1989			
611	LR		Thall et al., <u>Autoimmunity</u> , 10:81-87 (1991)			
611	LS		Good et al., <u>Transplant. Proc.</u> , 24:559-62 (1992)			
EXAMINER <u>Shin-Lin Chen</u>			DATE CONSIDERED	3-22-99		

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	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	ML						
	MM						
	MN						
	MO						
	MP						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

611	MQ		Galili, <u>Springer Sem. Immunopathol.</u> , 15:155-71 (1993)			
711	MR		Galili, <u>Xeno</u> , 2:84-87 (1994)			
612	MS		Resnick et al., <u>Nature</u> , 359:550-551 (1992)			

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	NJ						
	NK						

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	NL							
	NM							
	NN							
	NO							
	NP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

512	NQ	Capecci, M.R., (ed.), <u>Molecular Genetics of Early Drosophila and Mouse Development</u> pp. 39-44 (Cold
		Springs Harbor Lab. Press, 1989)
512	NR	Jaenisch, R., <u>Science</u> , 240:1468-1474 (1988)
512	NS	Laus, et al., <u>Int. Archs Allergy Appl. Immun.</u> , 85:201-207 (1988)

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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
							YES NO
	OE						
	OM						
	ON						
	OM						
	ON						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

<i>SL</i>	0Q	Hendricks, S.P., et al., <u>J. Bio. Chem.</u> , 265:17621-17626 (1990)
<i>SL</i>	OR	Platt, J.L., et al., <u>Transplantation</u> , 50:817-822 (1990)
<i>SL</i>	OS	Galili, U., et al., <u>J. Bio. Chem.</u> , 263:17755-17762 (1988)

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	PM							
	PN							
	PD							
	PP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

SLC	PQ	Smith, D.F., et al., <u>J. Fed. Am. Soc. Exp. Biol.</u> , 4:A1979 (1990)					
SLC	PR	Hindsgaul, D., et al., <u>J. Bio. Chem.</u> , 266:17858-17862 (1991)					
SLC	PS	Cooper, D.K.C., et al., <u>Transplantation Proceedings</u> , 24:566-571 (1992)					

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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 06868/005002	SERIAL NO. 08/984,900
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))		APPLICANT D'Apice et al.		
		FILING DATE 12/04/97	GROUP 1643	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	QA						
	QB						
	QC						
	QD						
	QE						
	QF						
	QG						
	QH						
	QI						
	QJ						
	QK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
							YES NO
	QL						
	QM						
	QN						
	QN						
	QN						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

S1C	QQ	Cooper, D.K.C., et al., <u>Xeno-transplantation</u> , pp. 47-99, 170-178, 312-321, 429-438, 500-510,
		(Springer-Verlag Berlin Heidelberg, 1991)
S1C	QR	Platt, J.L., et al., <u>Immunology</u> , 3:735-739 (1991)
S1C	QS	Miyagawa, S., et al., <u>Transplantation Proceedings</u> , 21:520-521 (1989)

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U.S. PATENT DOCUMENTS

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	RA						
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	RK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	RL							
	RM							
	RN							
	RO							
	RP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

SL	RQ	Platt, J.L., et al., <u>Immunology Today</u> , 11:450-456 (1990)						
SL	RR	Ware, C.B., et al., <u>Biology of Reproduction (Supplement)</u> , 38:129 (1988)						
SL	RS	Piedrahita, J.A., <u>Theriogenology</u> , 29:286 (1988)						RECEIVED
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))		APPLICANT D'Apice et al.			
		FILING DATE 12/04/97		GROUP 1643	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER		ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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SI								
SJ								
SK								

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
SL							
SM							
SN							
SO							
SP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

SL	SQ	Thompson, S., et al., <u>Cell</u> , 56:313-321 (1989)
SL	SR	Zimmer, A., et al., <u>Nature</u> , 338:150-153 (1989)
SL	SS	Capecchi, M.R., <u>Science</u> , 244:1288-1292 (1989)

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(37 CFR 1.98(b))		FILING DATE 12/04/97	GROUP 1643	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	TA						
	TB						
	TC						
	TD						
	TE						
	TF						
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	TI						
	TJ						
	TK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
	TL						YES
	TM						NO

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

<i>SL</i>	TN	Kidd, V.J., et al., <u>J. Cell Biochem. (Suppl.)</u> , p. 200 (1988)
	TO	
	TP	
	TQ	
	TR	

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